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This circular will be sent regularly to all who apply for it.

United States Department of Agriculture,

WASHINGTON, D. C. *January 31, 1921.*

MONTHLY LIST OF PUBLICATIONS.

[JANUARY, 1921.]

READ CAREFULLY BEFORE ORDERING

☞Send no remittances to the U. S. Department of Agriculture.

A copy of any of the publications listed herein, except those otherwise noted, may be obtained free upon application to the Chief of the Division of Publications, United States Department of Agriculture, Washington, D. C., as long as the department's supply lasts.

After this department's supply is exhausted, publications can still be obtained from the Superintendent of Documents, Government Printing Office, Washington, D. C., but by purchase only, and at the prices noted herein.

☞Send all remittances to the Superintendent of Documents direct. His office is not a part of the Department of Agriculture.

FARMERS' BULLETINS—FOR FREE DISTRIBUTION.

☞NOTE.—As long as the department's somewhat limited supply of the current numbers of Farmers' Bulletins lasts they may be obtained by all applicants free of charge. They are also for sale at 5 cents per copy unless otherwise noted.

Cranberry Diseases and their Control. By C. L. Shear, Pathologist, Fruit-Disease Investigations. Pp. 22, figs. 12. Contribution from the Bureau of Plant Industry. December, 1920. (**Farmers' Bulletin 1031.**)

This bulletin discusses the various diseases of the cranberry and shows how the principal fungous diseases can be prevented by spraying with Bordeaux mixture. Intended for use of cranberry growers.

Growing and Planting Hardwood Seedlings on the Farm. By C. R. Tillotson, Forest Examiner. Pp. 29, figs. 15. Contribution from the Forest Service. January, 1921. (**Farmers' Bulletin 1123.**)

It is the purpose of this bulletin to point out simple methods which may be followed in planting and caring for hardwood trees on the farm and in collecting, extracting, and storing the seed of the common hardwood trees of the United States and in growing the young trees in a home garden or nursery.

Baking in the Home. By Hannah L. Wessling, Assistant in Home Demonstration Work, Office of Extension Work South. Pp. 40, figs. 8. Contribution from the States Relations Service, December, 1920. (**Farmers' Bulletin 1136.**)

Contains recipes and directions for making breads and other articles of other substances as well as of wheat. Suitable for general distribution.

Fermented Pickles. By Edwin Le Fevre, Scientific Assistant, Microbiological Laboratory. Pp. 23. Contribution from the Bureau of Chemistry. December, 1920. (**Farmers' Bulletin 1159.**)

This bulletin contains a brief description of the processes involved in pickling, and gives the method by which it is believed that the standard varieties of pickles can be prepared successfully in the home.

Dodder. By Albert A. Hansen, Agronomist, Weed Investigations, Office of Forage-Crop Investigations. Pp. 21, figs. 10. Contribution from the Bureau of Plant Industry. January, 1921. (**Farmers' Bulletin 1161.**)

Discusses the methods of control and eradication of this parasitic plant. Suitable for general distribution.

Plans of Rural Community Buildings. By W. C. Nason, Assistant in Rural Organization, under the Direction of C. J. Galpin, Economist. Pp. 38, figs. 54. Contribution from the Office of Farm Management and Farm Economics. January, 1921. (**Farmers' Bulletin 1173.**)

This bulletin treats on the community building movement in farm life. Contains illustrations of buildings erected in certain communities, and tells of the advantages and benefits derived therefrom. Suitable for general distribution.

DEPARTMENT BULLETINS—TECHNICAL.

☞ The publications listed below are technical or scientific bulletins applying to a special industry or locality. The edition is limited, but they will be furnished free to persons who can use such specialized information as long as the supply lasts.

Economic Value of the Starling in the United States. By E. R. Kalmbach and I. N. Gabrielson, Assistant Biologists. Pp. 66, pls. 4, figs. 3. Contribution from the Bureau of Biological Survey. (Professional Paper.) Jan. 10, 1921. (**Department Bulletin 868.**) Price, 25 cents.

Discusses the problems raised by the starling together with its food habits and relation to other species of birds and control measures adopted.

The Maine Sardine Industry. By F. C. Weber, Chemist in Charge, with collaboration of H. W. Houghton and J. B. Wilson, Assistant Chemists, Animal Physiological Chemical Laboratory. Pp. 127, pls. 23. Contribution from the Bureau of Chemistry. (Professional Paper.) Jan. 18, 1921. (**Department Bulletin 908.**) Price, 50 cents.

This bulletin gives a report of the investigations on the canning of sardines on the coast of Maine, with suggestions for improving faulty methods, for the elimination of all unnecessary waste, and for the economical utilization of the necessary wastes.

Utilization of Black Walnut. By Warren D. Brush, Scientific Assistant. Pp. 89, pls. 14, figs. 7, Contributions from the Forest Service. (Professional Paper.) Jan. 17, 1921. (**Department Bulletin 909.**) Price, 30 cents.

This bulletin discusses the properties of the wood, its supply and demand, and utilization by industries, with an appendix giving a detailed list of its uses.

Substitutes for Sucrose in Curing Meats. By Ralph Hoagland, Senior Biochemist, Biochemic Division. Pp. 28. Contribution from the Bureau of Animal Industry. (Professional Paper.) Jan. 7, 1921. (**Department Bulletin 928.**) Price, 5 cents.

This bulletin reports experiments of a preliminary nature, made with a view to securing substitutes for cane sugar used in curing meats. Of interest to meat packing establishments.

MISCELLANEOUS.

Regulations of the Secretary of Agriculture under the United States Warehouse Act of August 11, 1916. Regulations for Tobacco Warehouses. Nov. 15, 1920. (**Circular 154, Office of the Secretary.**) Price, 5 cents.

Para and Paspalum Grasses. By Glen Briggs, Agronomist. Pp. 10. Contribution from the States Relations Service. Jan. 19, 1921. (**Circular 1, Guma Experiment station.**) Price, 5 cents.

In The Open. The National Forests of Washington. Pp. 78, il., 1 map. Contribution from the Forest Service. 1920. (**Department Circular 138.**) Price, 20 cents.

Status and Results of Home Demonstration Work, Northern and Western States, 1919. By Florence E. Ward, In Charge Extension Work With Women. Pp. 25, figs. 7. Contribution from the States Relations Service. January, 1921. (**Department Circular 141.**) Price, 5 cents.

The Farm Woman's Problems' By Florence E. Ward, In Charge Extension Work with Women. Pp. 24, figs. 8. Contribution from the States Relations Service. November, 1920. (**Department Circular 148.**) Price, 5 cents.

Statistical Data Compiled and Published By the Bureau of Crop Estimates, 1863–1920. Pp. 64. Contribution from the Bureau of Crop Estimates. January, 1921. (**Department Circular 150.**) Price, 10 cents.

How Teachers May Use Farmers' Bulletin 1087, Beautifying the Farmstead. By C. H. Schopmeyer, Assistant in Agricultural Instruction. Pp. 6. Contribution from the States Relations Service. January, 1921. (Department Circular 155.) Price, 5 cents.

How Teachers May Use Farmers' Bulletin 1121, Factors That Make for Success in Farming in the South. By F. A. Merrill. Pp. 7. Contribution from the States Relations Service. January, 1921. (Department Circular 159.) Price, 5 cents.

Some Rules for Poisoning the Cotton Boll Weevil. By B. R. Coad and T. P. Cassidy. Pp. 4. Contribution from the Bureau of Entomology. January, 1921. (Department Circular 162.) Price, 5 cents.

Dispersion of the Boll Weevil in 1920. By B. R. Coad and R. W. Moreland. Pp. 2. Contribution from the Bureau of Entomology. Jan. 2, 1921. (Department Circular 163.) Price, 5 cents.

SERIALS.

Journal of Agricultural Research. (For sale only.) Vol. 20, No. 3, Nov. 1, 1920. Contents: Composition of Normal and Mottled Citrus Leaves. (vh. Calif.–24.) By W. P. Kelley and A. B. Cummins. Control of the Fluke Diseases by Destruction of the Intermediate Host. (vi. Oreg.–5.) By Asa C. Chandler. Injury to Seed Wheat Resulting from Drying after Disinfection with Formaldehyde. (vj. G.–206.) By Annie May Hurd. Pp. 161–244, pls. 6, figs. 5. Price, 10 cents.

Same. Vol. 20, No. 4, Nov. 15, 1920. Contents: Studies on the Life History and Habits of the Beet Leafhopper. (vk. K–86.) By C. F. Stahl. Hypertrophied Lenticels on the Roots of Conifers and Their Relation to Moisture and Aeration. (vl. G–207.) By Glenn G. Hahn, Carl Hartley, and Arthur S. Rhoads. Degree of Temperature to Which Soils Can Be Cooled without Freezing. (vm. Mich.–11.) By George Bouyoucos. Changes Taking Place in the Tempering of Wheat. (vn. Kans.–22.) By E. L. Tague. Vascular Discoloration of Irish Potato Tubers. (vo. G–208.) By H. A. Edson. Cornwart of Alfalfa Caused by Urophlyctis Alfalfae. (vp. G–209.) By Fred Ruel Jones and Charles Drechsler. Pathological Anatomy of Potato Blackleg. (vq. G–210.) By Ernst F. Artschwager. Sclerotinia minor, n. sp., the Cause of a Decay of Lettuce, Celery, and Other Crops. (vt. G–211.) By Ivan C. Jagger. Pp. 245–330, pls. 18, figs. 2. Price, 25 cents.

Same. Vol. 20, No. 6, Dec. 15, 1920. Contents: Carbon Dioxid Content of Brn Air. (vx–N. H.–5.) By Mary F. Hendry and Alice Johnson. Rice Weevil (Calandra), Sitophitus Oryza. (vu–K–87.) By Richard T. Cotton. Opius Fletcheri as a Parasite of the Melon Fly in Hawaii. (wa–K–88.) By H. F. Willard. Tamarind Poder-Borer, Sitophilus Linearis (Herbst). (wb–K–89.) By Richard T. Cotton. Influence of Temperature and Humidity on the Growth of Pseudomonas Citri and Its Host Plants and on Infection and Development of the Disease. (wc–Ala.–7.) By George L. Peltier. Daubentonia Longifolia (Coffee Bean), A Poisonous Plant. (wd–A–54.) By C. Dwight Marsh and A. B. Clawson. Pp. 405–513, pls. 3, figs. 14. Price, 20 cents.

☞ NOTE.—Volumes 1 to 4 of the Journal of Agricultural Research were published monthly, volumes 5 to 16 weekly, and volume 17 monthly. Beginning with volume 18, the issue is semimonthly. The Journal is distributed free *only* to the libraries of agricultural colleges and experiment stations, to large universities, technical schools, and such institutions as make suitable exchanges with the department. It will not be sent free to individuals. The Superintendent of Documents will receive subscriptions for this publication, the price being $1.50 per year for domestic circulation and $2 for foreign circulation.

Experiment Station Record. Vol. 43, No. 9, Abstract Number. Jan. 20, 1921. E. W. Allen, Ph. D., Editor. Pp. 801–900. Price, 15 cents.

☞ NOTE.—The Record is a technical review of the world's scientific literature pertaining to agriculture. It is not intended for general distribution and its free distribution is restricted to persons connected with the agricultural colleges, experiment stations, and similar institutions, and to libraries and exchanges. It can not be sent free to individuals having no official connection with public institutions. The Superintendent of Documents will receive subscriptions for this publication, which is issued in two volumes a year, 10 numbers each, at $1 a volume.

The Monthly Crop Reporter. Vol. 7, No. 1, January, 1921. Pp. 1–8. (Bureau of Crop Estimates.) Price, 25 cents a year.

Contains data relating to agriculture, including estimates of acreage, conditions, yields, prices, and value of crops and live stock.

ANNOUNCEMENT.—Because of the small fund available for printing, it has been found necessary to drop from the mailing list of the Monthly Crop Reporter all names of persons who are not actively cooperating with the United States Department of Agriculture. Persons whose names are dropped may subscribe for this publication through the Superintendent of Documents, Washington, D. C., at the domestic rate of 25 cents per year, and 40 cents per year to foreign address, payable only by postal money order or cash. No checks accepted.

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The Market Reporter. Vol. 3, Nos. 1–5, inclusive, January, 1921. (Bureau of Markets.) For free distribution to applicants who show the need for it.

The Market Reporter is the official marketing publication of the United States Department of Agriculture. It contains general, current, and statistical marketing information for important classes of agricultural products, both staple and perishable, which is of general interest and of permanent value alike to producers, dealers, and consumers.

Weekly News Letter.

Contains a weekly summary in popular form of the more important practical discoveries and recommendations of all bureaus of the department. Free list confined to departmental employees, official cooperators, and the press. May be purchased from the Superintendent of Documents, Government Printing Office, for 50 cents a year.

SOIL SURVEYS.

☞All requests for soil surveys are referred to the Bureau of Soils for attention, the distribution of same being controlled by that bureau.

Soil Survey of the Willits Area, California. By Walter C. Dean, of the University of California. Pp. 32, pls. 2, figs. 1, map. (**From F. O., Soils, 1918.**) Price, 15 cents.

Soil Survey of Pearl River County, Mississippi. By E. Malcolm Jones, of the Mississippi Geological Survey, In Charge, and G. W. Musgrave, of the U. S. Department of Agriculture. Pp. 38, pls. 2, fig. 1, map. (**From F. O., Soils, 1918.**) Price, 15 cents.

SERVICE AND REGULATORY ANNOUNCEMENTS—FOR SALE ONLY.

☞These contain *only* information, instructions, and notices governing the enforcement of the food and drugs act, meat inspection, 28-hour, and quarantine laws, and the various regulations of the department. Issued monthly by certain bureaus. *Free distribution* is limited to persons in the employ of the department, to public officials whose duties render it necessary for them to have such information, to journals especially concerned, and to manufacturers and firms whose business is affected by same. Others desiring copies are respectfully referred to the Superintendent of Documents, Government Printing Office, who has them for sale *only*, at prices noted.

Bureau of Chemistry. Supplement 91. .(N. J. 8001–8050) Pp. 1–46. Jan. 5, 1921. Price, 10 cents.

Same, Supplement 92. (N. J. 8051–8100) Pp. 47–78. Jan. 4, 1921. Price, 10 cents.

Same, Supplement 93. (N. J. 8101–8150) Pp. 79–110. Jan. 25, 1921. Price, 10 cents.

Same, Supplement 94. (N. J. 8151–8200) Pp. 111–141. Jan. 22, 1921. Price 5 cents.

Same, Supplement 96. (N. J. 8251–8300) Pp. 183–201. Jan. 31, 1921. Price, 5 cents.

Insecticide and Fungicide Board. No. 33. Pp. 751–773. Jan. 5, 1921. Price, 5 cents.

PUBLICATIONS OF THE WEATHER BUREAU.

☞Publications of the Weather Bureau are obtainable only from the Chief of the Weather Bureau or the Superintendent of Documents, Government Printing Office, at the prices noted herein.

Monthly Weather Review. Vol. 48, No. 10. October, 1920. Dec. 28, 1920. Pp. 565–625, figs. 10, charts, 16. Price, 25 cents a copy, $2.50 a year. Payable to the Superintendent of Documents.

Special Articles: The law of the geoidal slope and fallacies in dynamic meteorology. By C. L. Meisinger. Economic results of deficient precipitation in California. By A. H. Palmer. The relation of prolonged tropical droughts to sunspots. By W. H. Pickering. An approximate seven-year cycle in terrestrial weather, with solar correlation. By W. H. Clough. Effects of heavy rainfall on Panama Canal slides. By H. G. Cornthwaite.

National Weather and Crop and Snow and Ice Bulletin. Nos. 1, 2, 3, 4, January, 1921, reporting weather and crop conditions throughout the United States. Issued weekly. Price, 25 cents a year.

NOTE.—This bulletin is furnished free of charge to public and educational institutions, libraries, newspapers, cooperative observers, weather correspondents, and to those who will post or display it for the general benefit of the public. To all others the price is 25 cents per year, payable to the Superintendent of Documents, Government Printing Office, Washington, D. C.

JNO. L. COBBS, Jr.,
Chief, Division of Publications.

WASHINGTON : GOVERNMENT PRINTING OFFICE : 1921